

FIG. 1

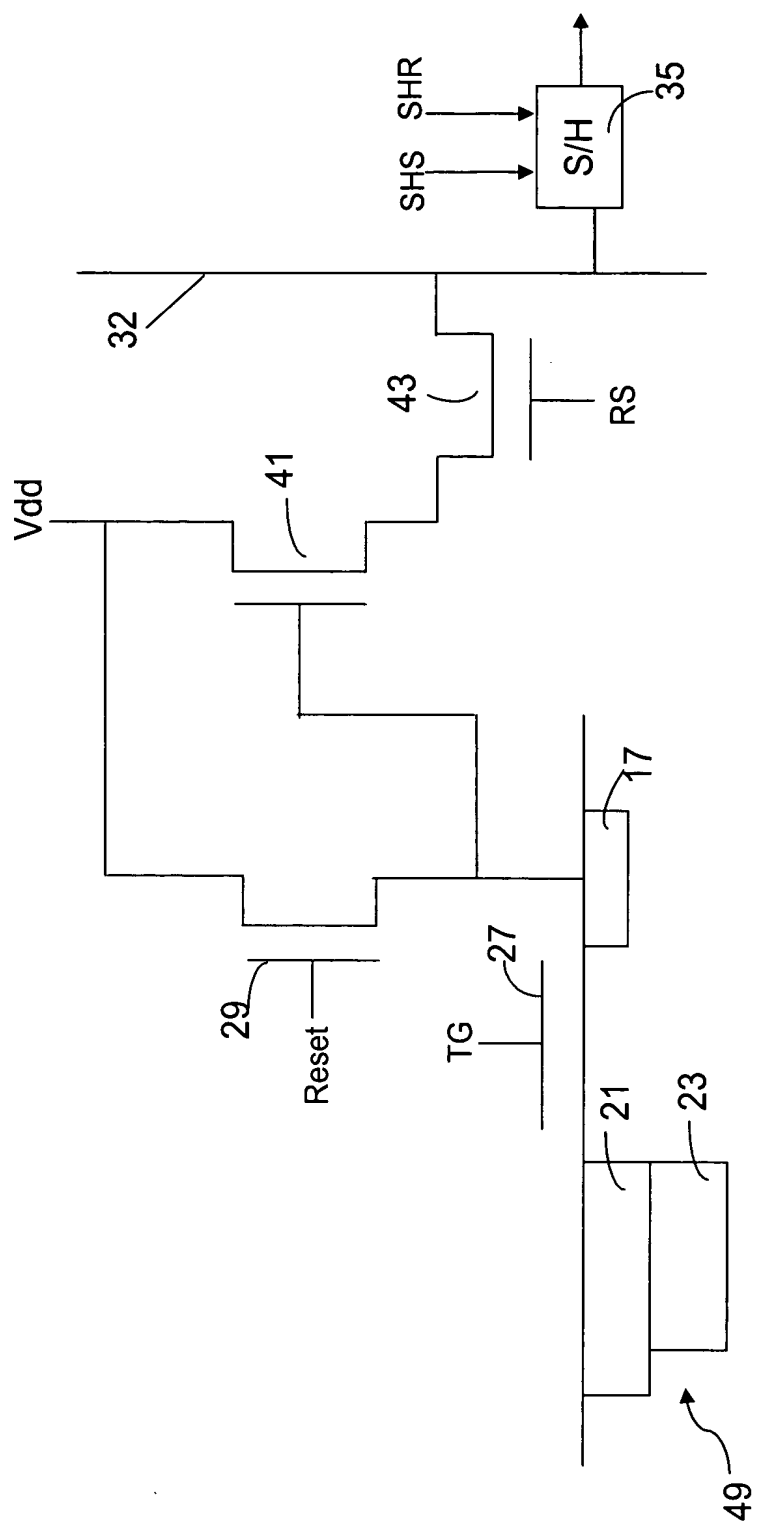


FIG. 2

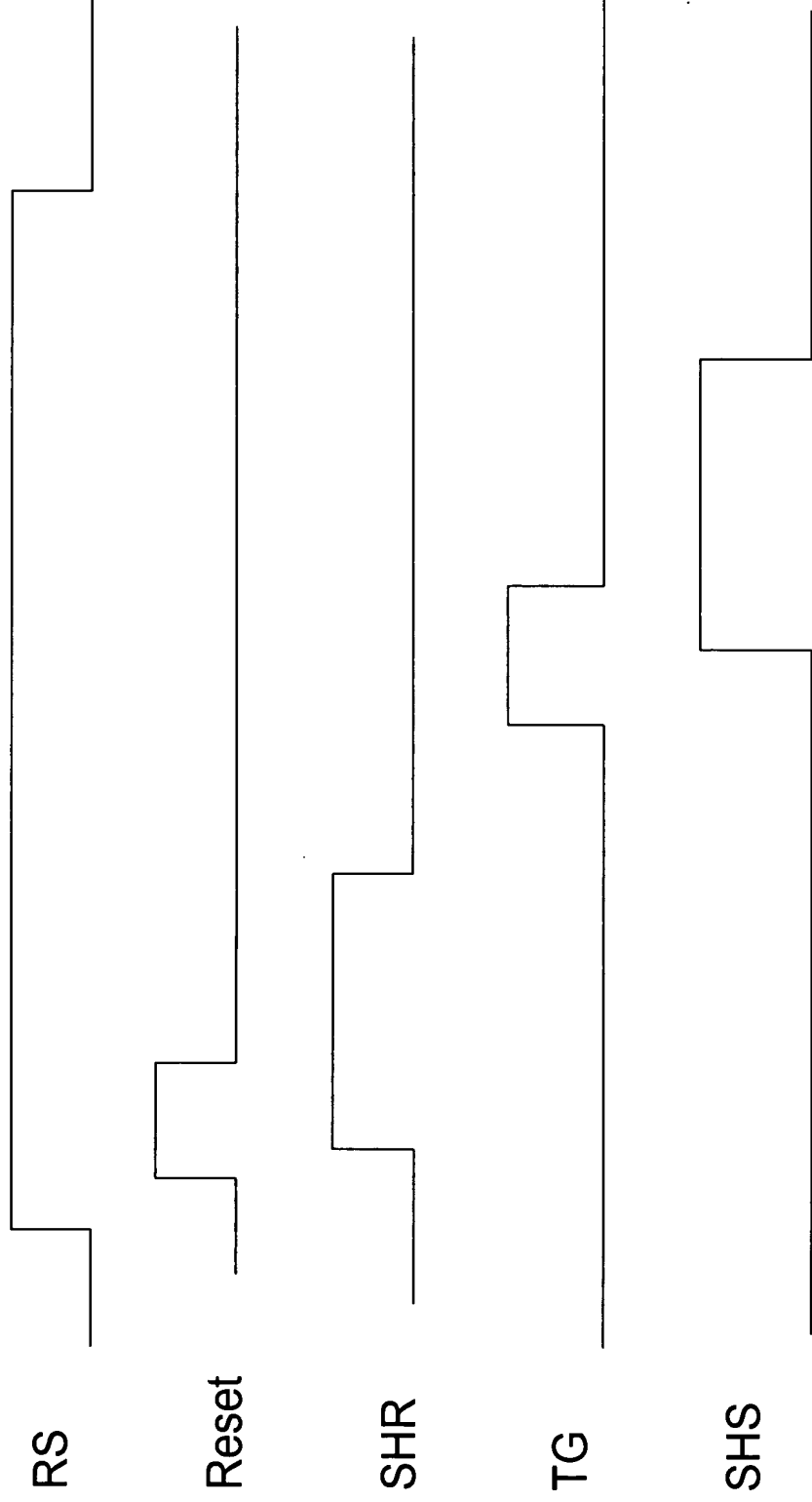
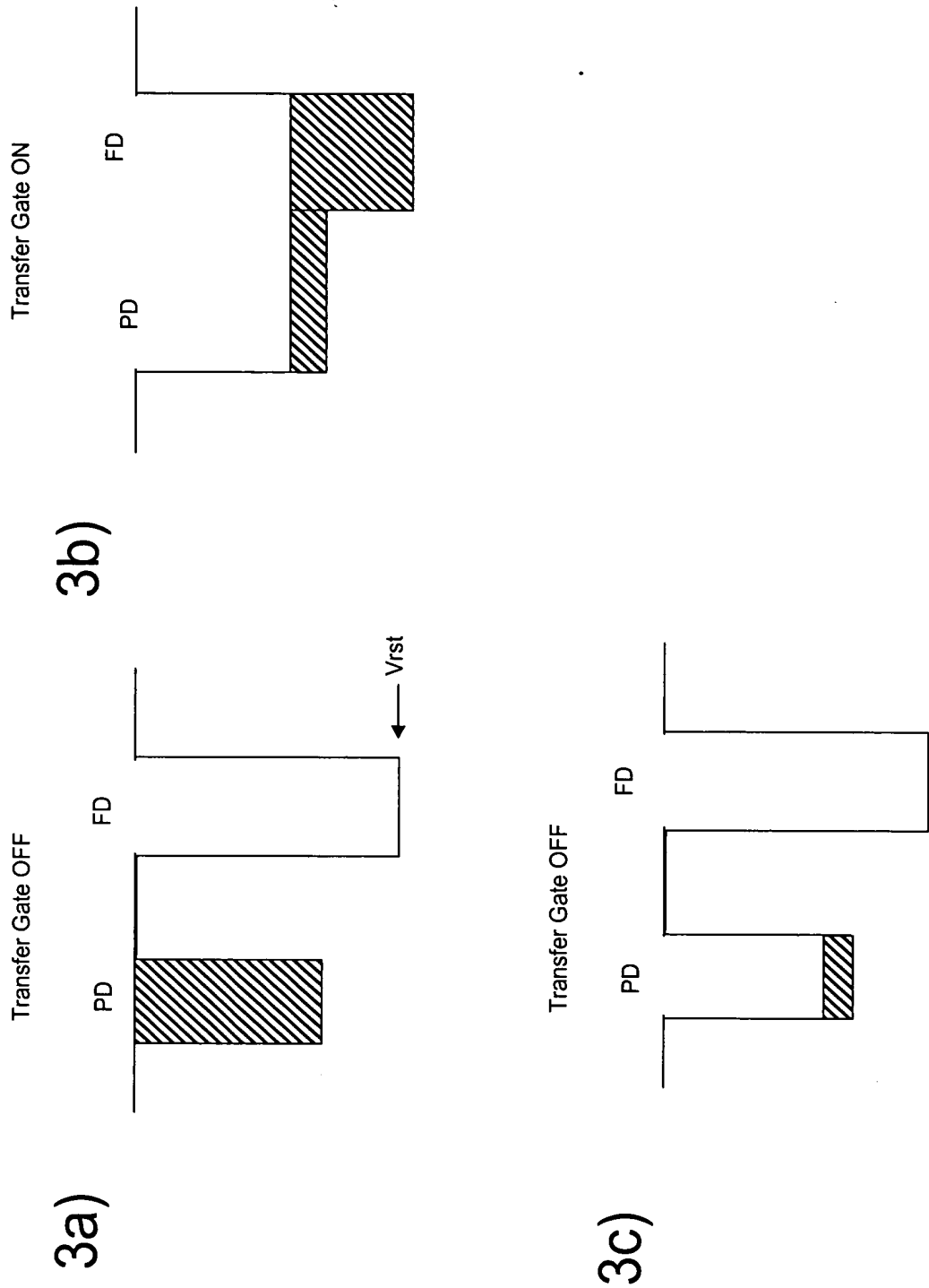
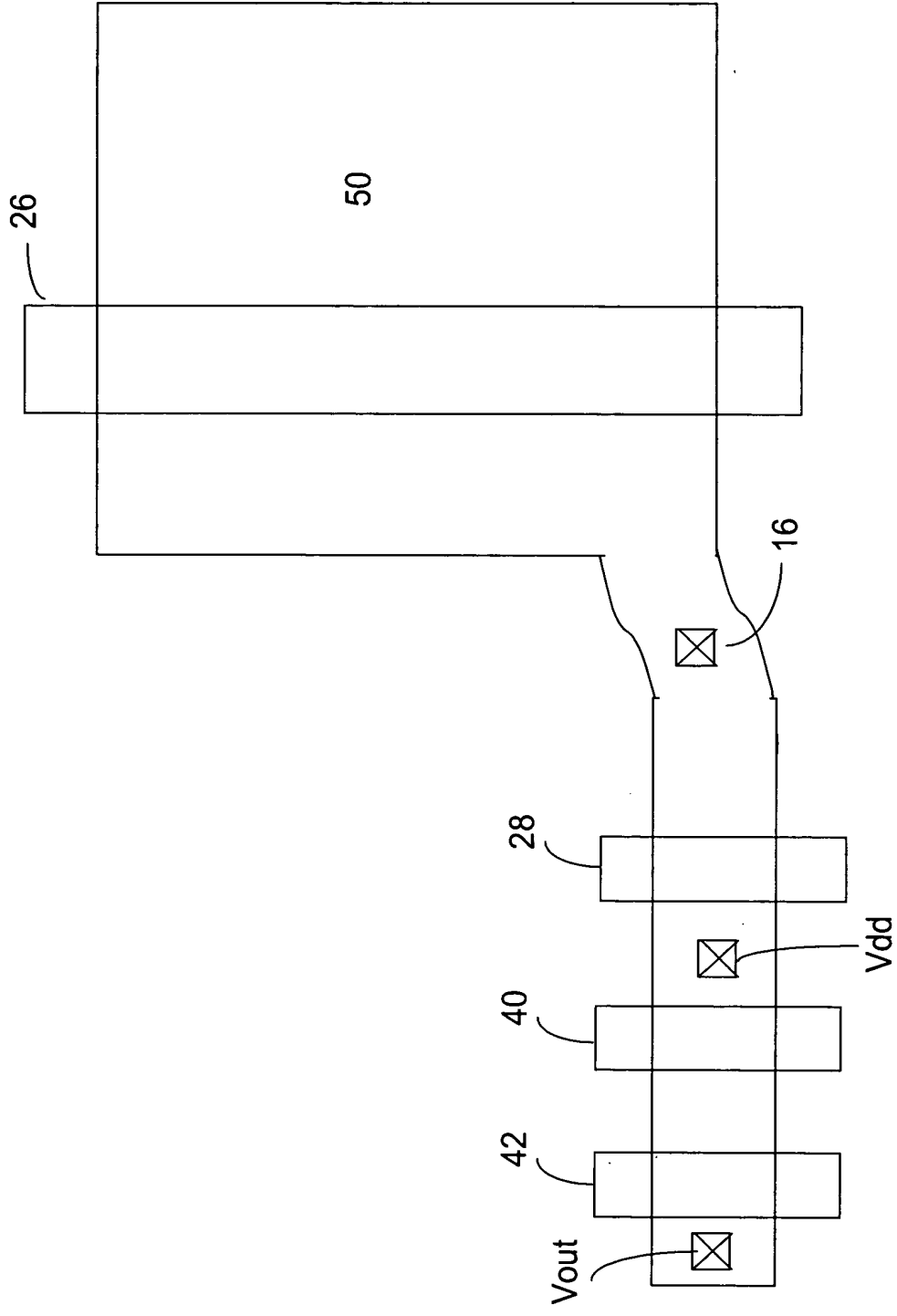


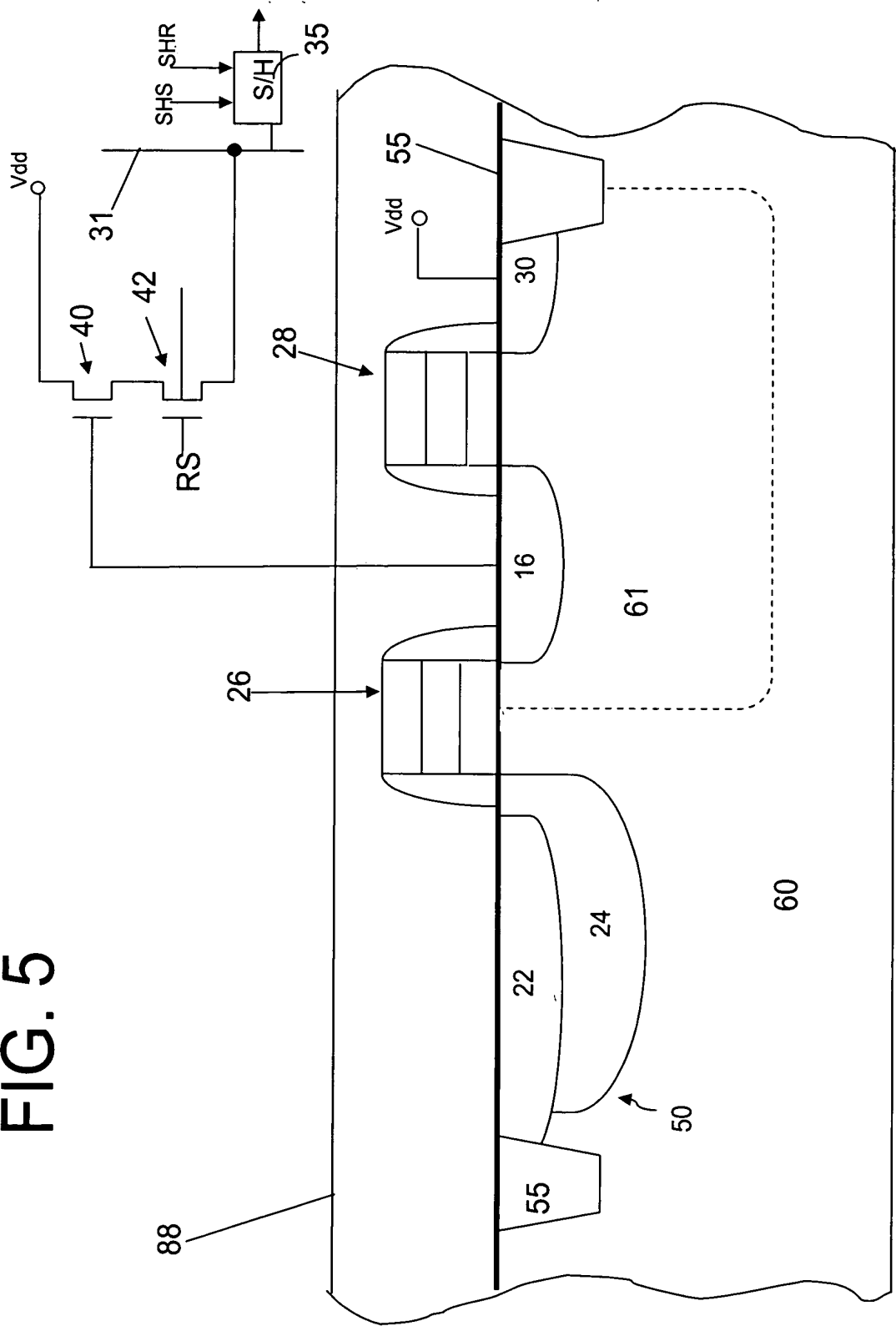
FIG. 3



**FIG. 4**

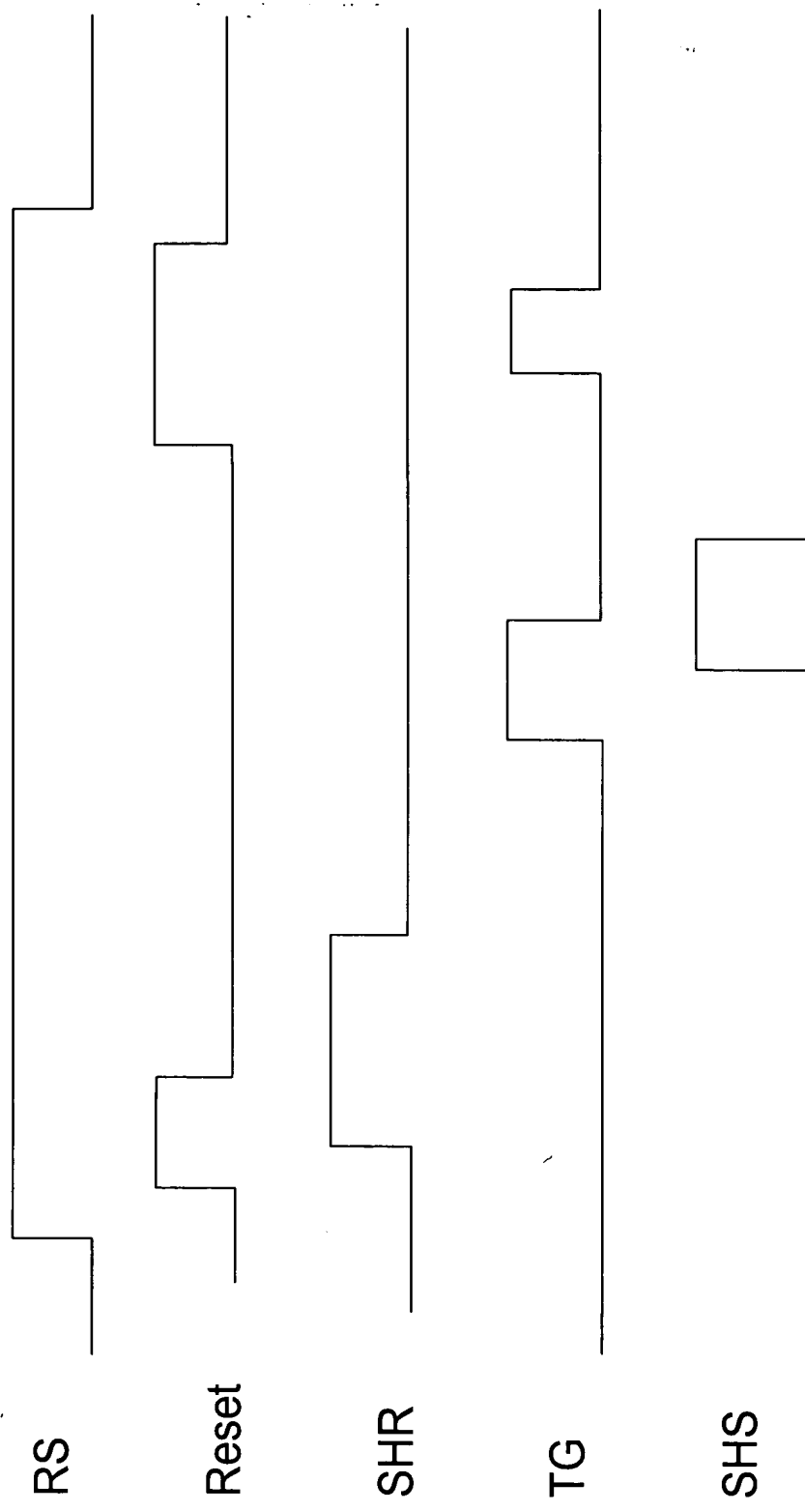


5. G/F



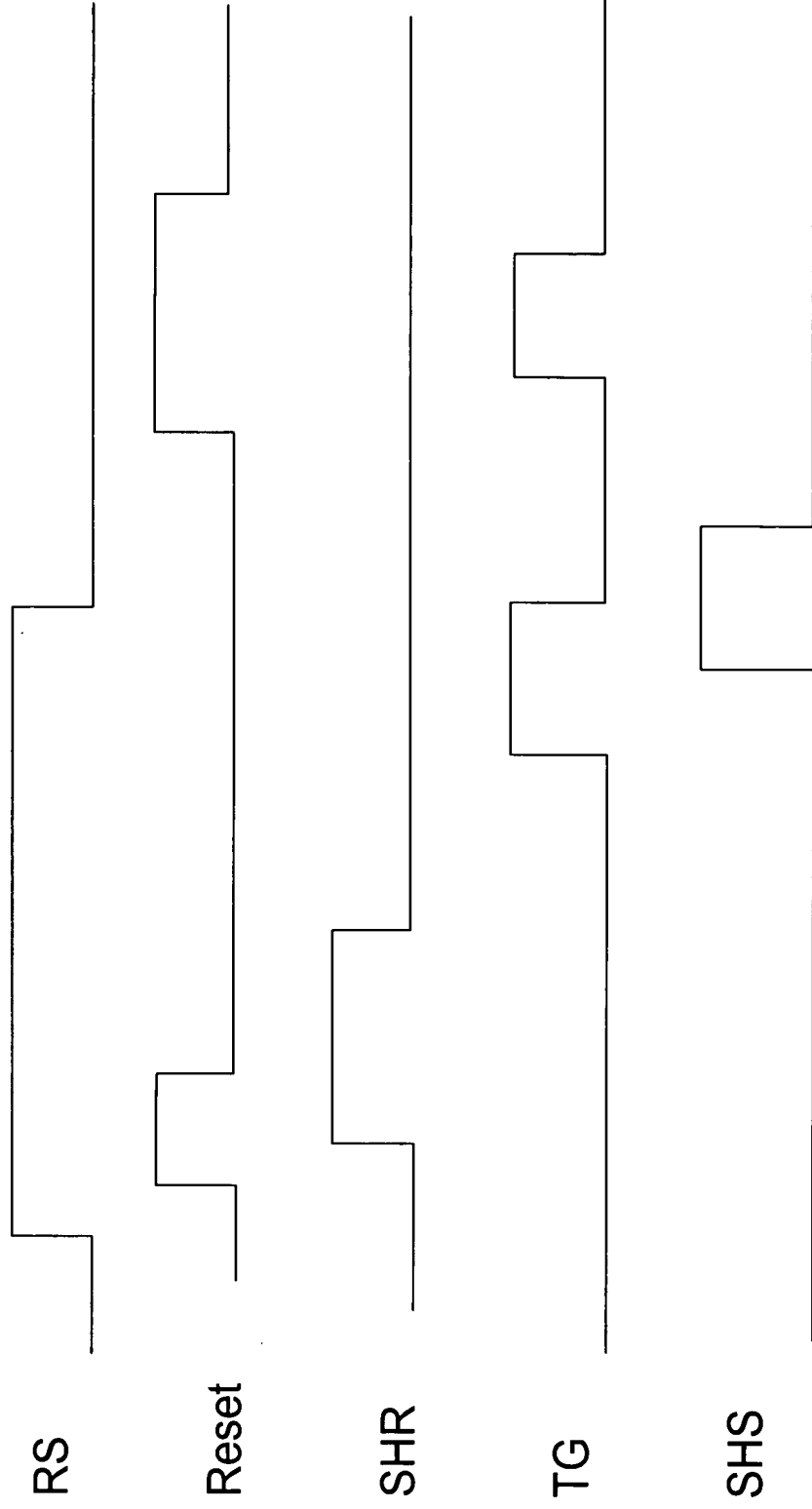
**Fig. 6a**

Charge sweep



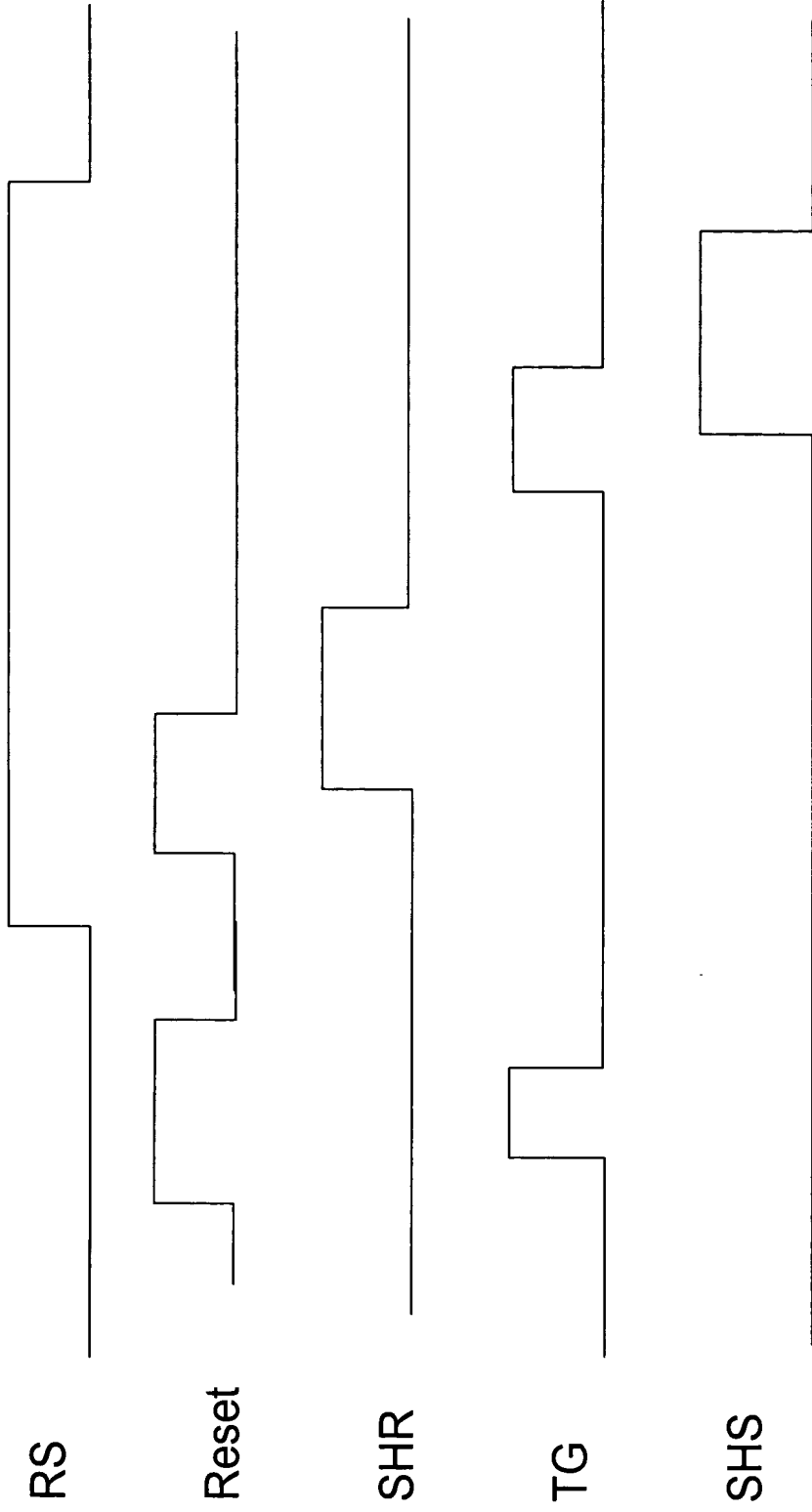
# FIG. 6b

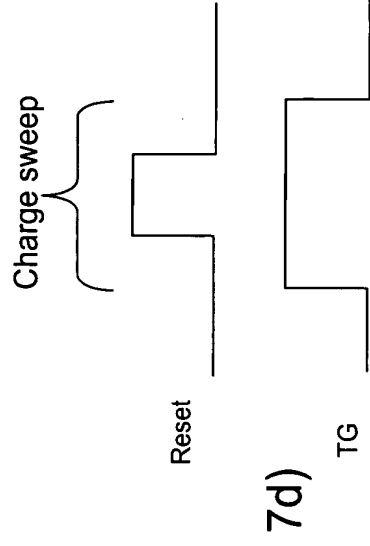
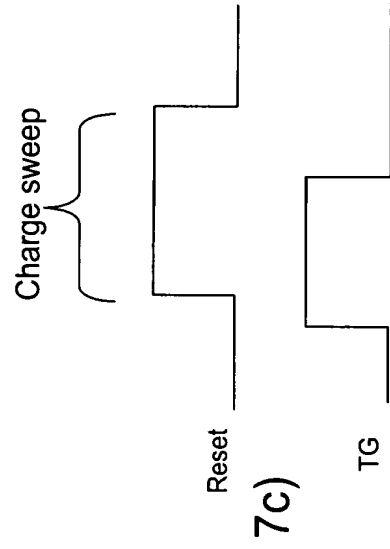
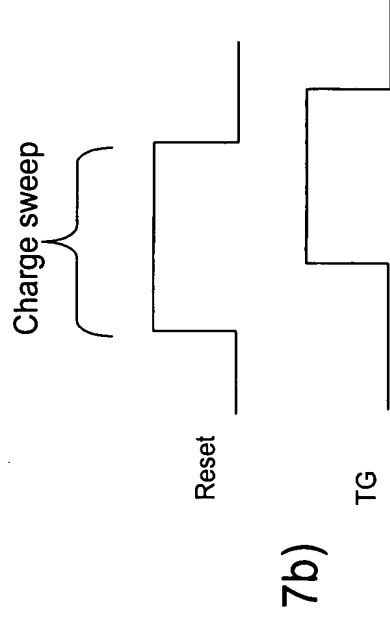
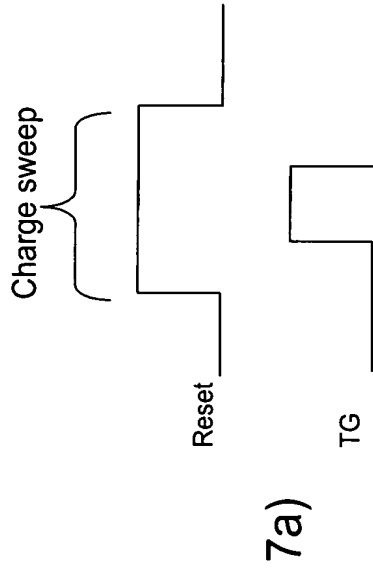
Charge sweep



# FIG. 6C

Charge sweep





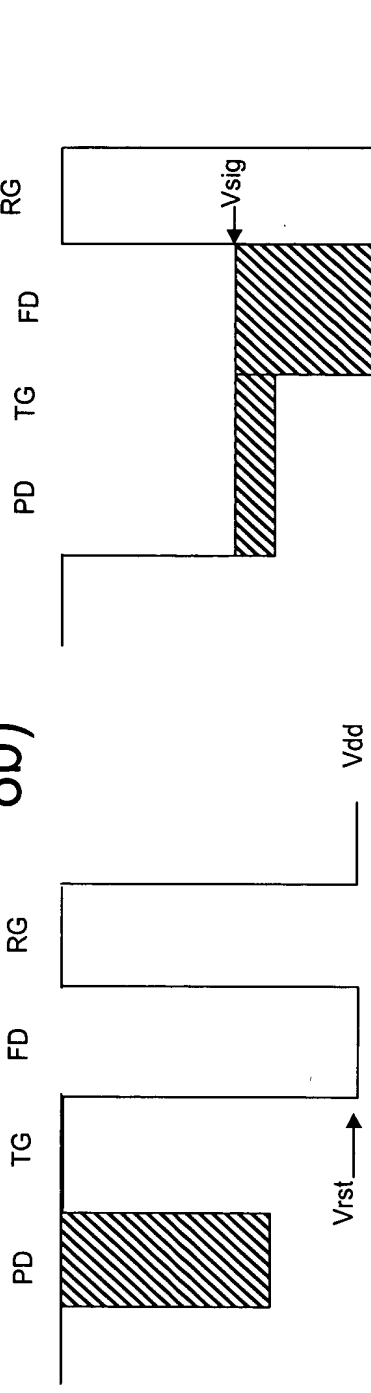
# FIG. 8

Transfer Gate OFF, Reset Gate OFF (1)

8a)

8b)

Transfer Gate ON(1), Reset Gate OFF



Transfer Gate ON(2), Reset Gate ON(2)

8c)

8d)

Transfer Gate OFF, Reset Gate OFF

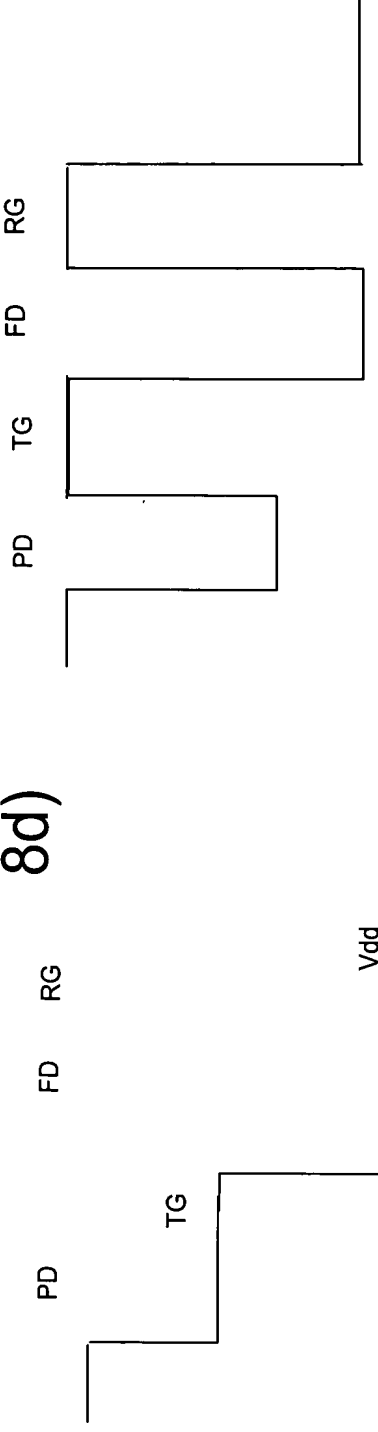


FIG. 9

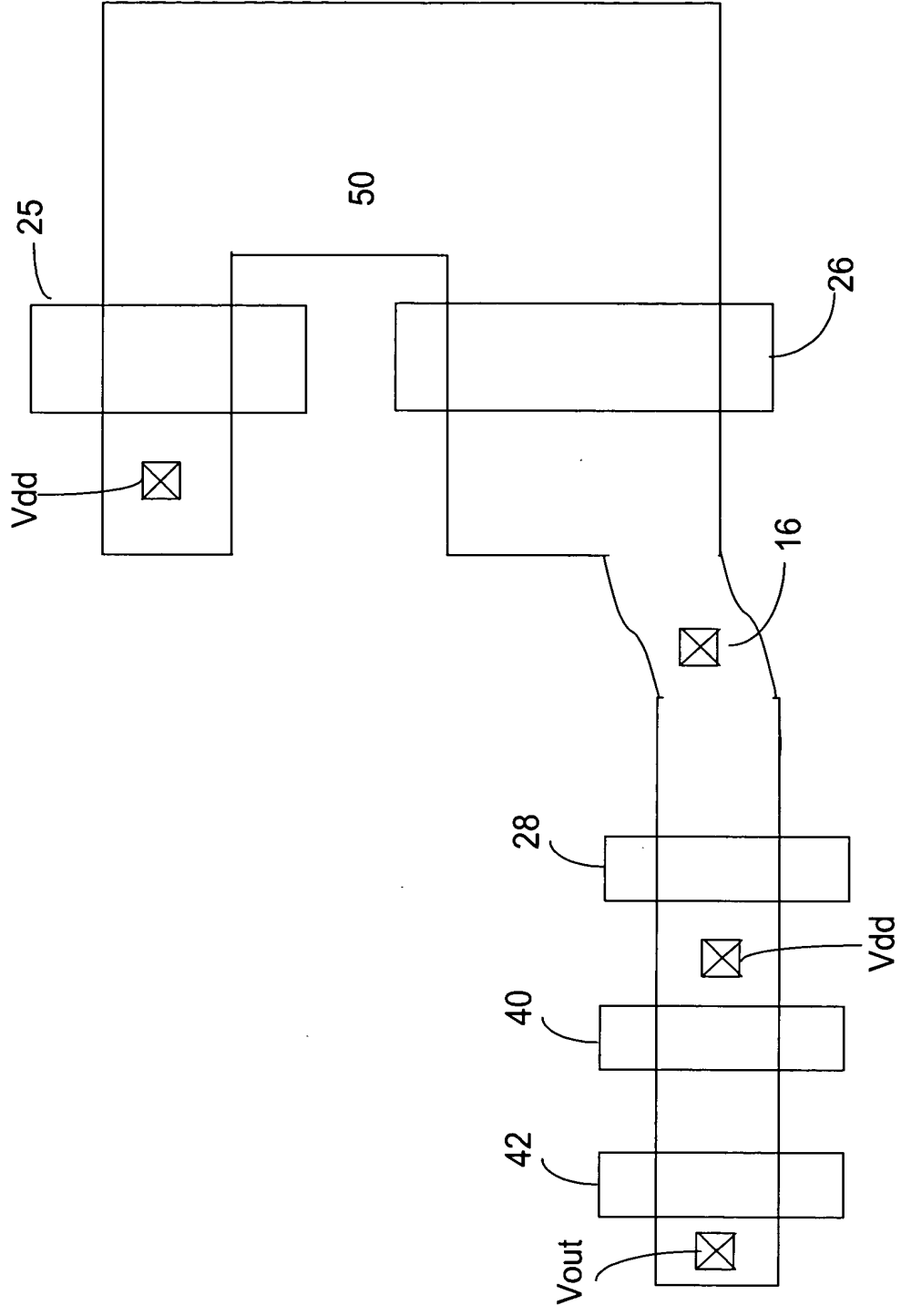


FIG. 10

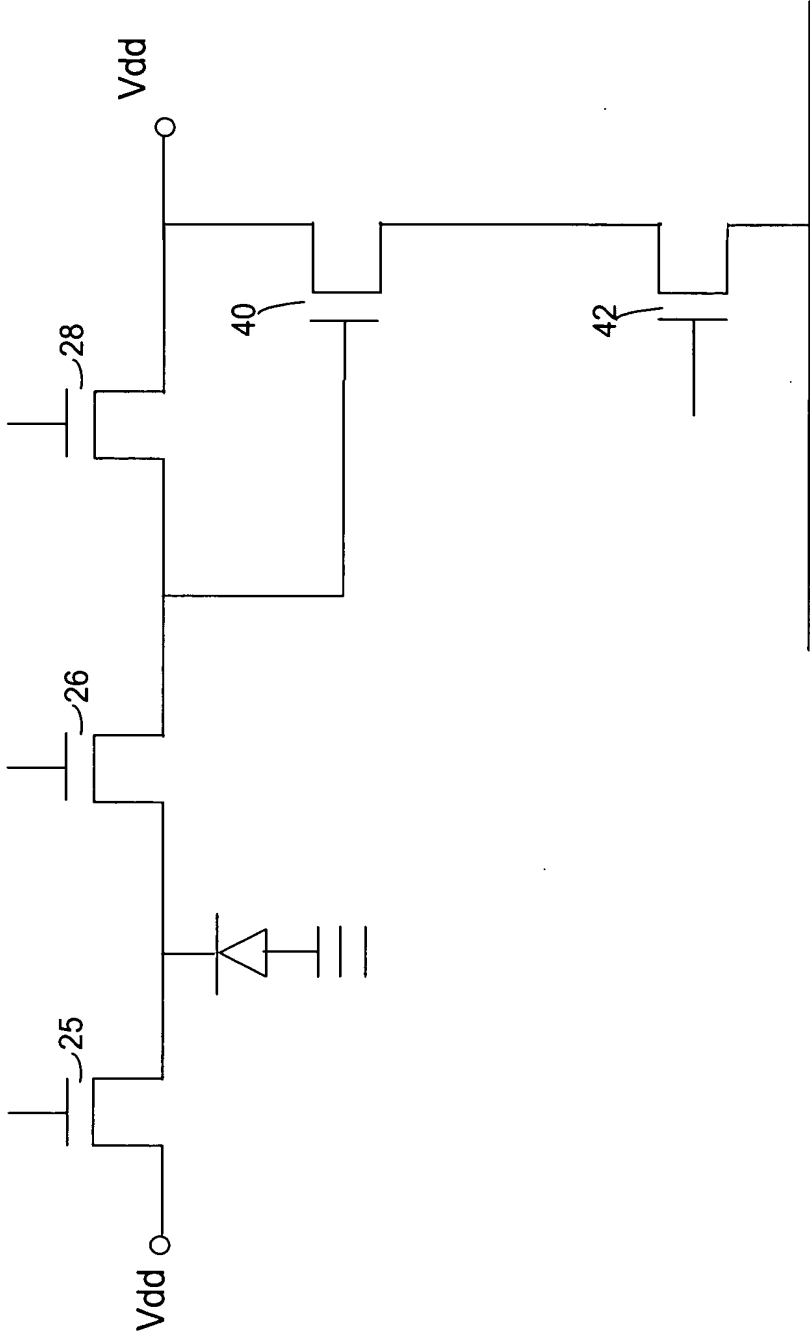


FIG. 11

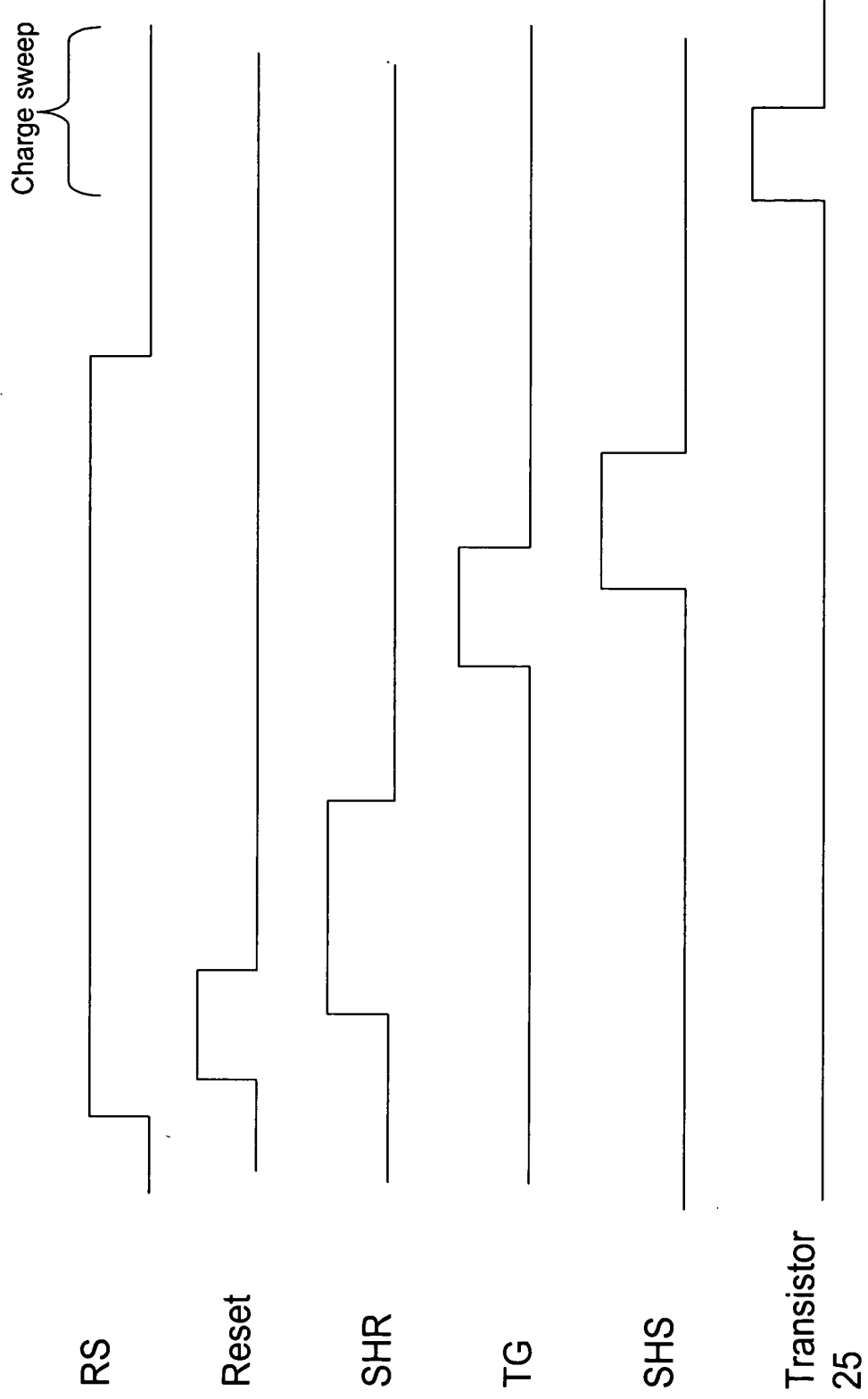


FIG. 12

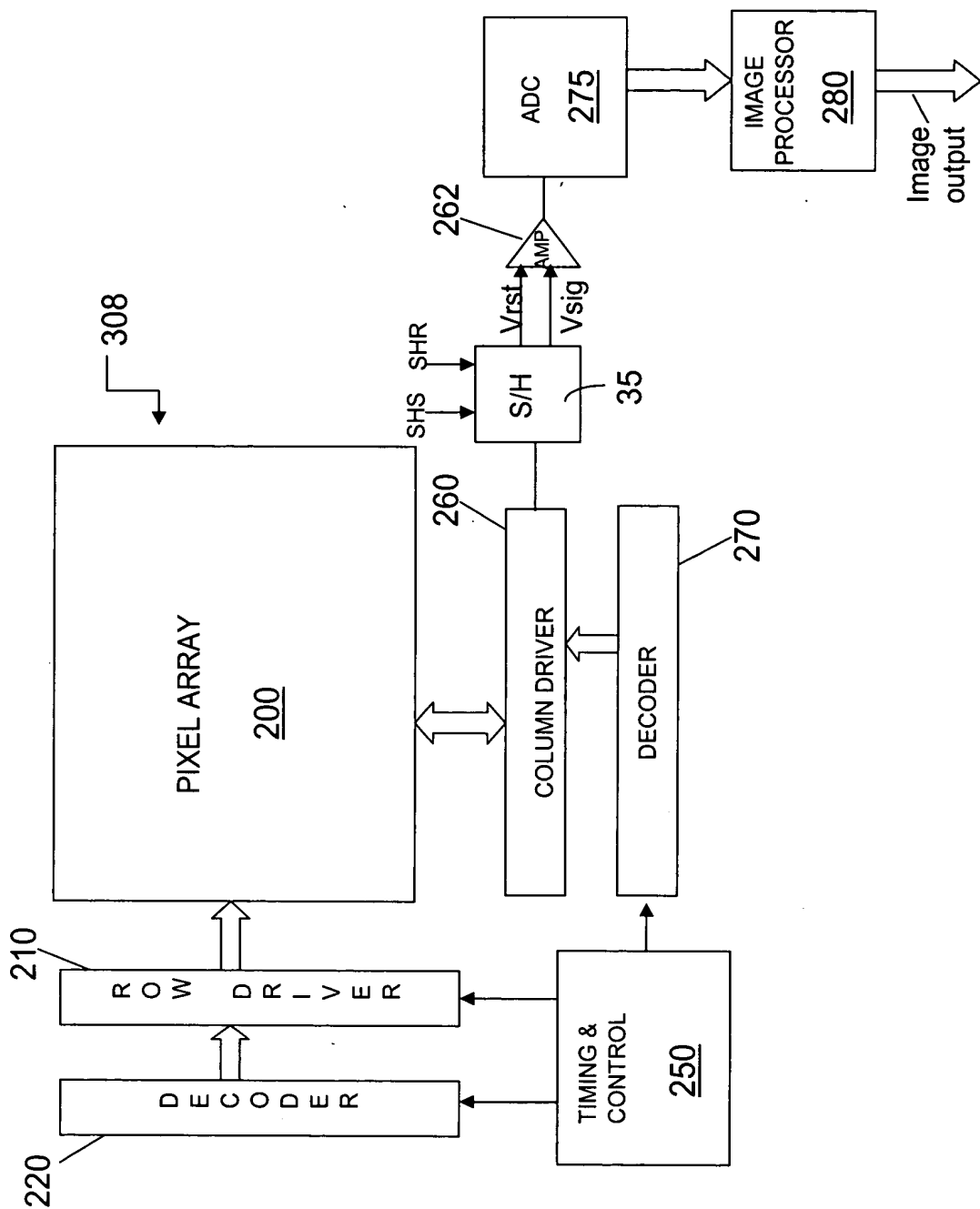


FIG. 13

